Level 5 – Section 2

Property Plotting

Grouping Multiple Properties Into a Single Property

flex

Shorthand property used to set values for `flex-grow`, `flex-shrink`, and `flex-basis`. The default is: `0 1 auto`.

```css
/* site.css                                    CSS */

.flex-item {
  flex-grow: 0;
  flex-shrink: 1;
  flex-basis: auto; }
```

```css
/* site.css                                    CSS */

.flex {
  flex: 0 1 auto; }
```

grow   shrink   basis

If you have to support older IE, you may want to avoid shorthand.

More, Shorter Examples

Single number assigns the grow value

```css
site.css                                    CSS

.flex-item {
    flex-grow: 1;
    flex-shrink: 1; /* Default */
    flex-basis: auto; } /* Default */
```

```css
site.css                                    CSS

.flex {
    flex: 1; }
```

Two numbers assigns the grow, shrink values

```css
site.css                                    CSS

.flex-item {
    flex-grow: 1;
    flex-shrink: 0;
    flex-basis: auto; } /* Default */
```

```css
site.css                                    CSS

.flex {
    flex: 1 0; }
```

More, Short Examples

Single number and percentage assigns the `grow` and `basis` values

```css
site.css                                    CSS

.flex-item {
    flex-grow: 1;
    flex-shrink: 1; /* Default */
    flex-basis: 47.5%; }
```

```css
site.css                                    CSS

.flex {
    flex: 1 47.5%; }
```

None sets `shrink` value, removing flex behavior

```css
site.css                                    CSS

.flex-item {
    flex-grow: 0; /* Default */
    flex-shrink: 0;
    flex-basis: auto; } /* Default */
```

```css
site.css                                    CSS

.flex {
    flex: none; }
```

flex-flow

Shorthand property used to set values for `flex-direction` and `flex-wrap`. The default is: `row nowrap`.

```css
.flex-item {
  flex-direction: row; /* Default */
  flex-wrap: nowrap; } /* Default */
```
site.css — CSS

```css
.flex {
  flex-flow: row nowrap; }
```
site.css — CSS

direction   *wrap*

flex-flow **Examples**

Single direction value sets the `direction` and defaults to `wrap`

```css
site.css                                    CSS

.flex-item {
  flex-direction: column;
  flex-wrap: nowrap; } /* Default */
```

```css
site.css                                    CSS

.flex {
  flex-flow: column; }
```

Single wrap value sets the `wrap` and defaults to `row`

```css
site.css                                    CSS

.flex-item {
  flex-direction: row; /* Default */
  flex-wrap: wrap; }
```

```css
site.css                                    CSS

.flex {
  flex-flow: wrap; }
```